Docket No.: MSFT-2947/307245.01

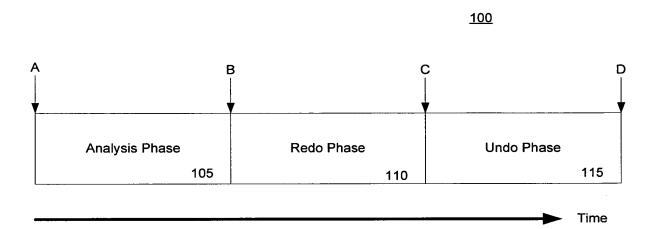
App No.: Not yet assigned Filed: March 29, 2004

Title: System and Method for a Snapshot Query During Database Recovery Inventors: Wei Xiao

Attorney: Jerome G. Schaefer Phone: (215) 568-3100

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Prior Art

FIG. 1

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Attorney: Jerome G. Schaefer Sheet 2 of 7

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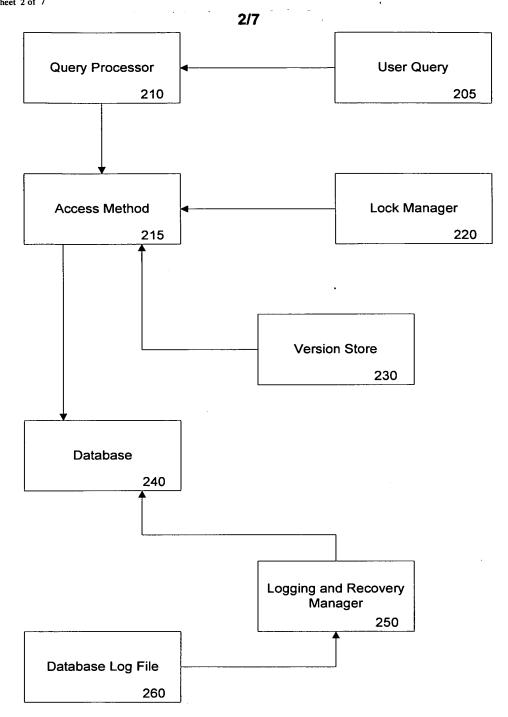


Fig. 2

App No.: Not yet assigned Filed: March 29, 2004
Title: System and Method for a Snapshot Query During Database Recovery Inventors: Wei Xiao Phone: (215) 568-3100 Attorney: Jerome G. Schaefer Sheet 3 of 7 3/7 300 Begin Analysis by Reading Log File eading Los Transactions 310 332 Snapshot based no isolation level? **Identify Unentered Transactions** yes 335 315 Read from Database **Exclusive** Lock Present? 334 Perform a REDO of Unentered **Transactions** yes - 340 1s lock a REDO yes lock? Begin UNDO of Uncommitted Transactions 325 no Wait for Lock to be no Released 345 Open Availability of Database 330 Test and Read from

> Version Store or Database 355

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Fig. 3

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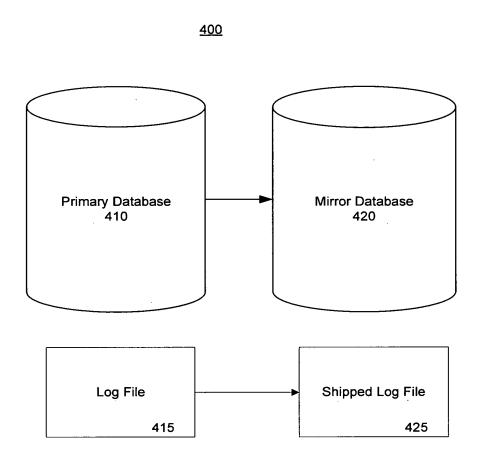


FIG. 4

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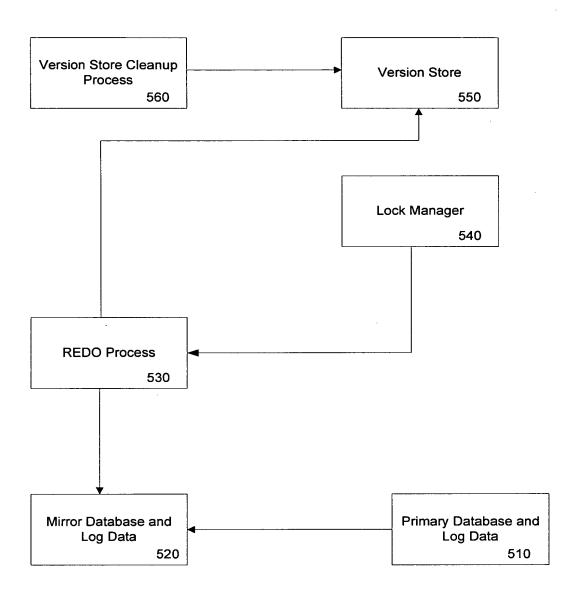


Fig. 5

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Inventors: Wei Xiao

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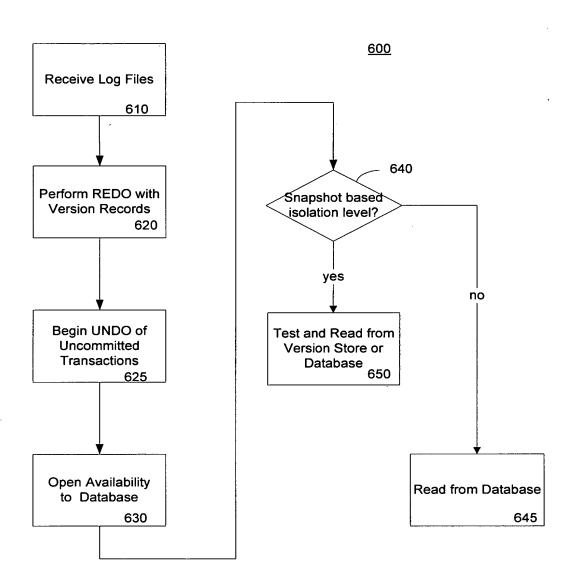


Fig. 6

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